

ART 34 A.M.D.T

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CLAIMS

1. A coated steel wire (10) having a bright looking surface,
 said steel wire (10) having a steel core (12),
 5 said steel core (12) being covered with an intermediate coating layer
 (14),
~~said steel wire being further coated with a polymer (16) being~~
~~selected from the group consisting of thermoplastic polyester,~~
~~polyimides, polyamides, polyphtalamides, crystalline~~
 10 ~~polyvinylchlorides and polycarbonates;~~
~~said polymer being transparent.~~ *and immediately thereupon with*
~~and being colored.~~

~~2. A steel wire according to claim 1, wherein said polymer is colored.~~

15 ~~2 X~~ A steel wire according to claim 1, said polymer comprising a
 transparent coloring agent.

20 ~~3 X~~ A steel wire according to any one of the preceding claims,
 wherein said polymer is a thermoplastic polyester selected from the
 group consisting of polyethylene terephthalate, polybutylene
 terephthalate and polyethylene naphthenate.

25 ~~4 X~~ A steel wire according to claim ³~~X~~,
 wherein said thermoplastic polyester is polyethylene terephthalate.

~~5 X~~ A steel wire according to any one of the preceding claims,
 wherein said coloring agent is organic.

30 ~~6 X~~ A steel wire according to any one of the preceding claims,
 wherein said intermediate coating is a metallic coating such as a
 copper coating, a copper alloy coating, a zinc coating, a zinc alloy
 coating, a nickel coating, a nickel alloy, a tin coating or a tin alloy

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Sub A1

Sub A2

ART 34 AMEND

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coating.

Sub A2
End

7 ~~8~~. A steel wire according to any one of claims 1 to ~~5~~,
wherein said intermediate coating is a coating such as a copper-tin
sulfate coating or a copper-sulfate coating.

8 ~~9~~. A method of manufacturing a coated steel wire (10) having a bright
looking colored surface, said method comprising the following
steps :

- 10 (a) providing a steel core (12) ;
(b) coating said steel core (12) with an intermediate coating layer
(14) ;
(c) giving a degree of brightness to said intermediate coating (14) ;
(d) using a transparent polymer (16), said polymer being selected
15 ~~from the group consisting of thermoplastic polyester, polyimides,
polyamides, polyphthalamides and polycarbonates ;~~
(e) further coating said bright steel wire with said polymer (16).
polyester

9 ~~10~~. A method according to claim ~~8~~,
wherein said coating with said intermediate coating layer is done by
means of a hot dip operation.

Sub B1

10 ~~11~~. A method according to claim ~~8~~ or ~~10~~,
said method further comprising the step of coloring said polymer.

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11 ~~12~~. A method according to any one of claims ~~8~~ to ~~11~~,
wherein said giving of a degree of brightness to said intermediate
coating is done by wet drawing the coated steel wire.

Sub A3

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12 ~~13~~. A method according to any one of claims ~~8~~ to ~~12~~,
wherein said further coating with a polymer is done by an extrusion

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Conf  process

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ADD C17

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